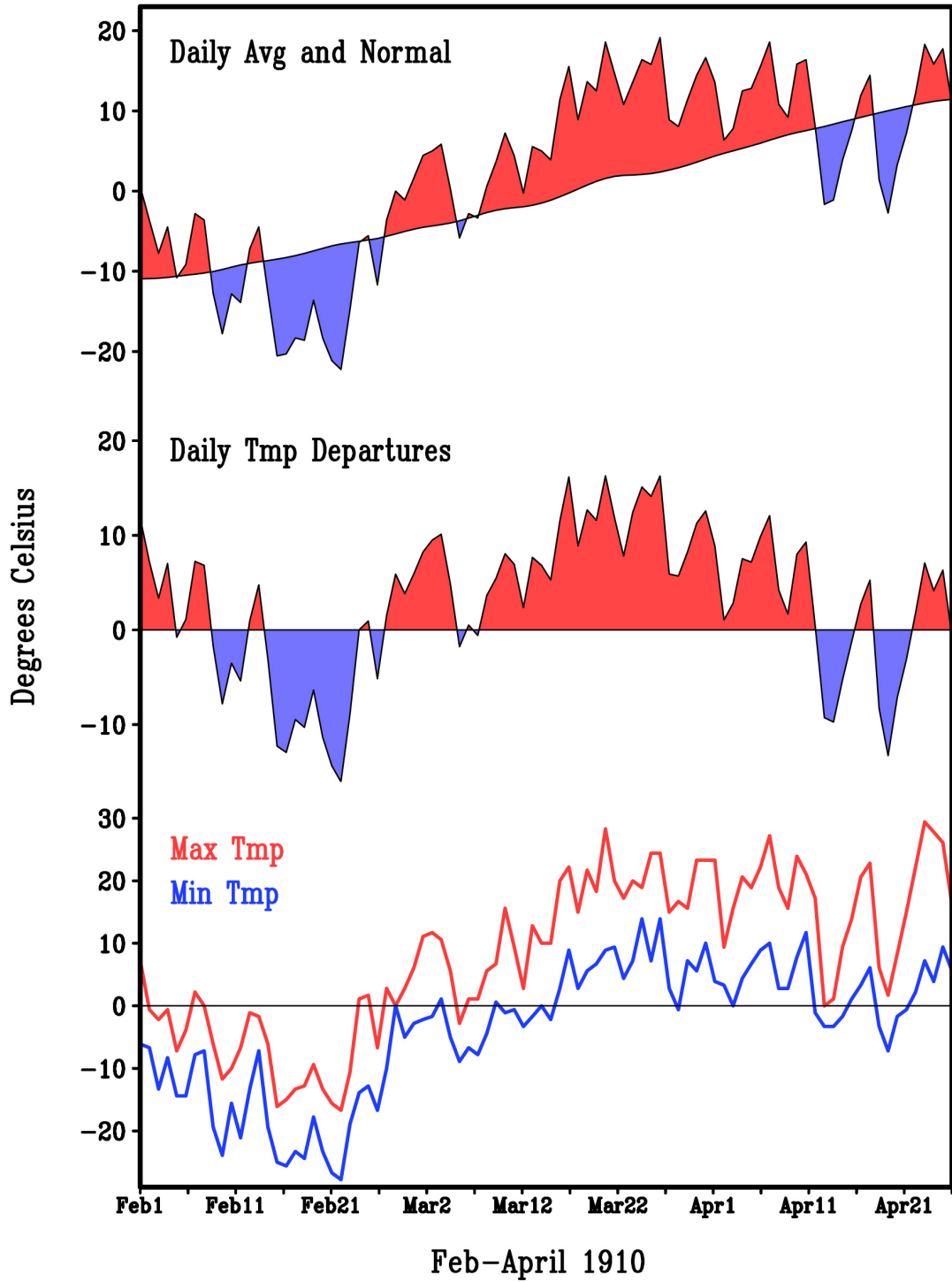
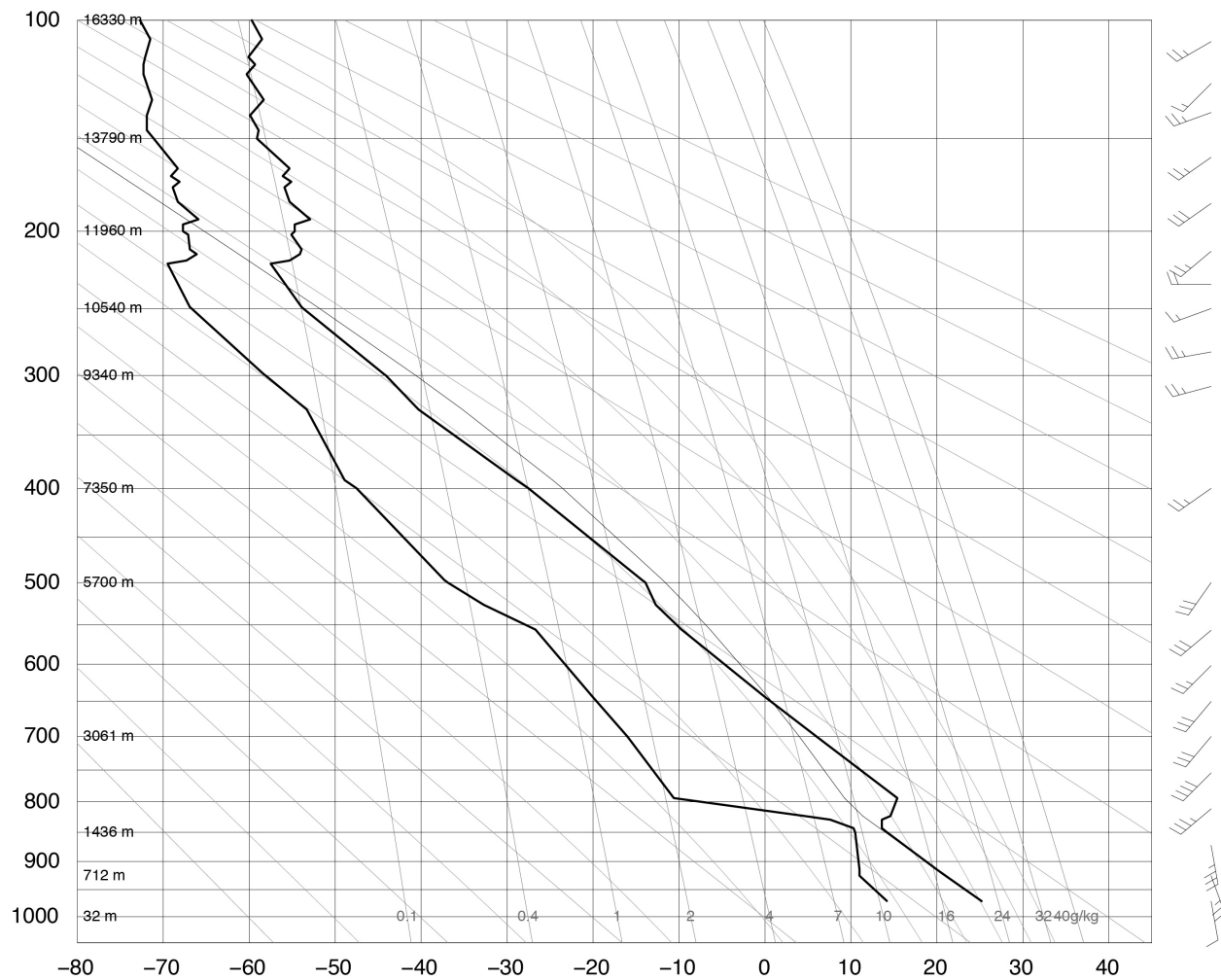


Minneapolis, Minnesota Daily Temperatures
1 Feb 1910–30 April 1910



762
763
764
765
766

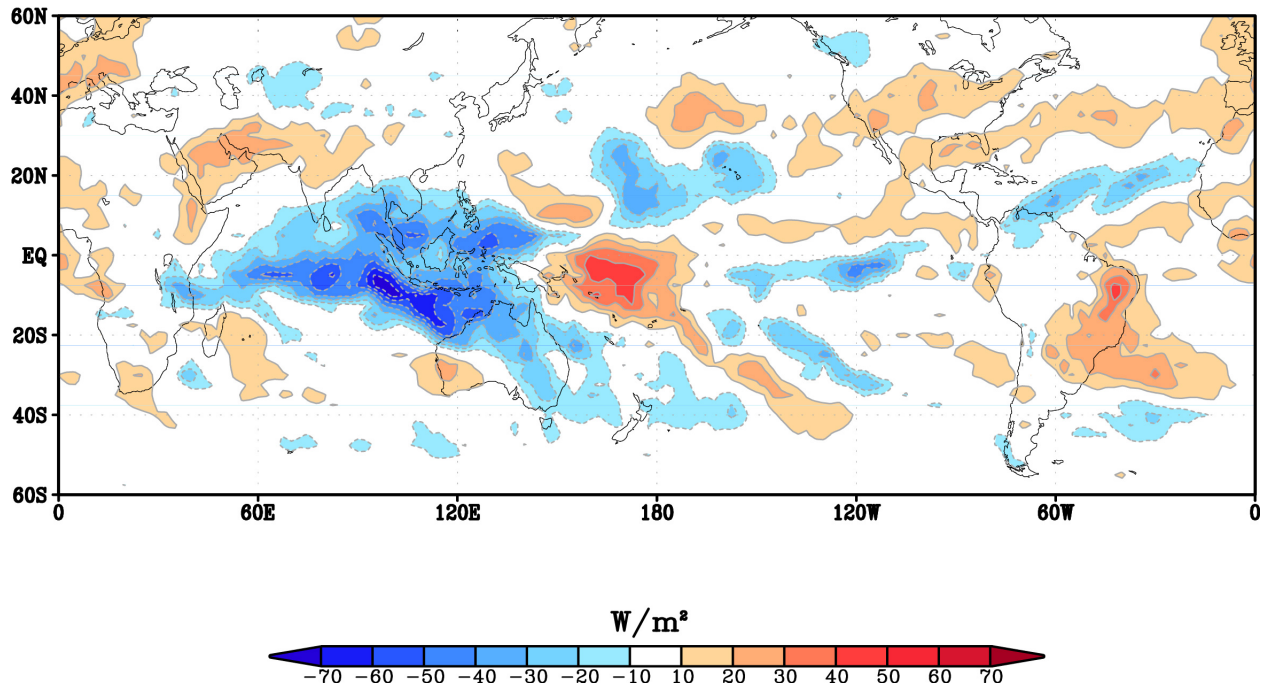
Figure S1. As in Figure 3 for Minneapolis, Minnesota temperature time series for Feb-April 1910.



767
 768
 769
 770
 771
 772
 773
 774
 775
 776
 777
 778
 779
 780
 781
 782
 783
 784
 785

Figure S2. Radiosonde data from the surface to 100 hPa of temperatures and dewpoints (°C) and winds for Chanhassen (Minneapolis, MPX) on March 19 2012 00Z.

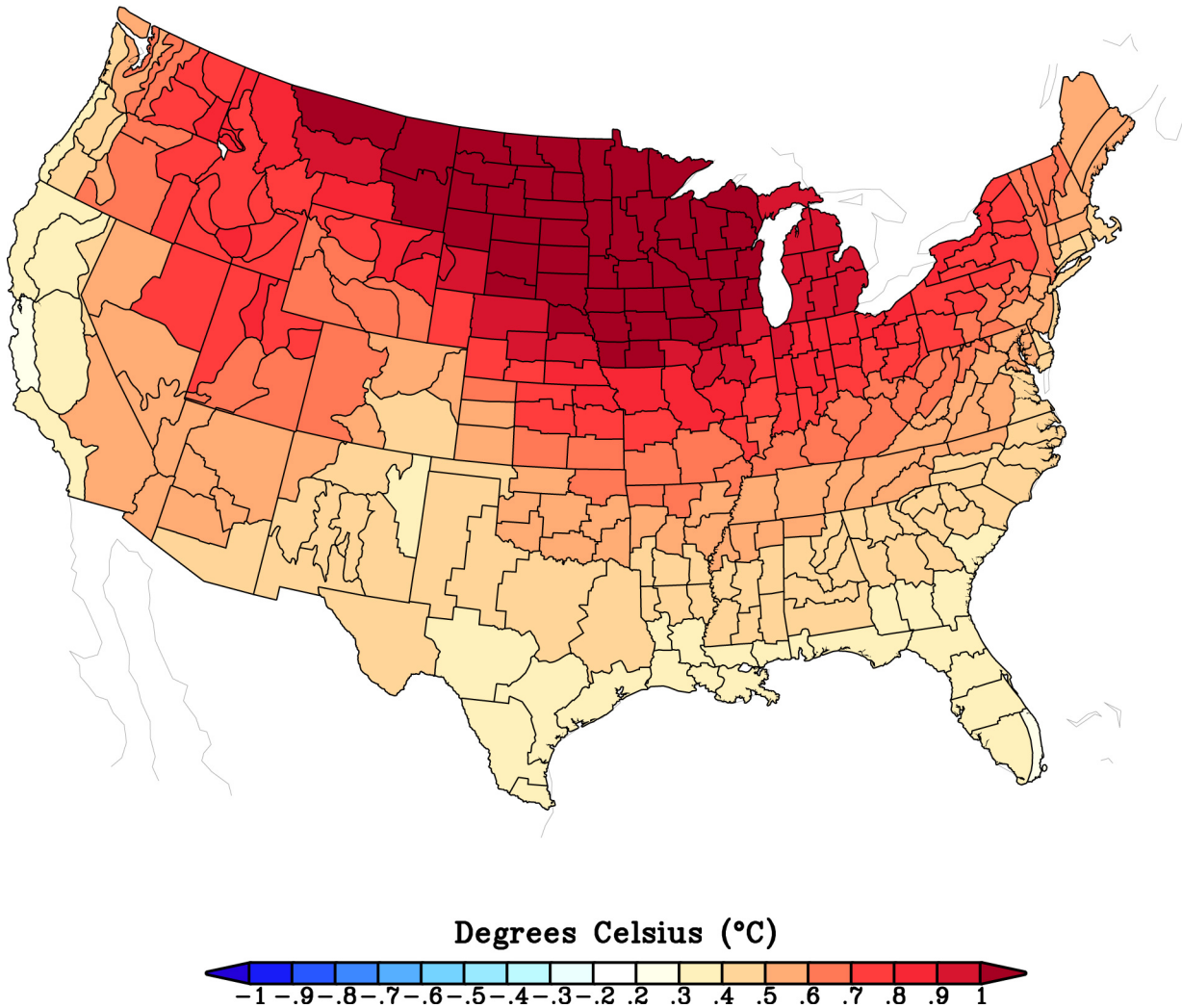
Mar 1 to Mar 15 2012 OLR Anomaly



786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812

Figure S3. Time-mean OLR over March 1-15 2012 ($W m^{-2}$). Data source as in Figure 2.

March 2012 Temperature Departures CMIP5 Ensemble Projection

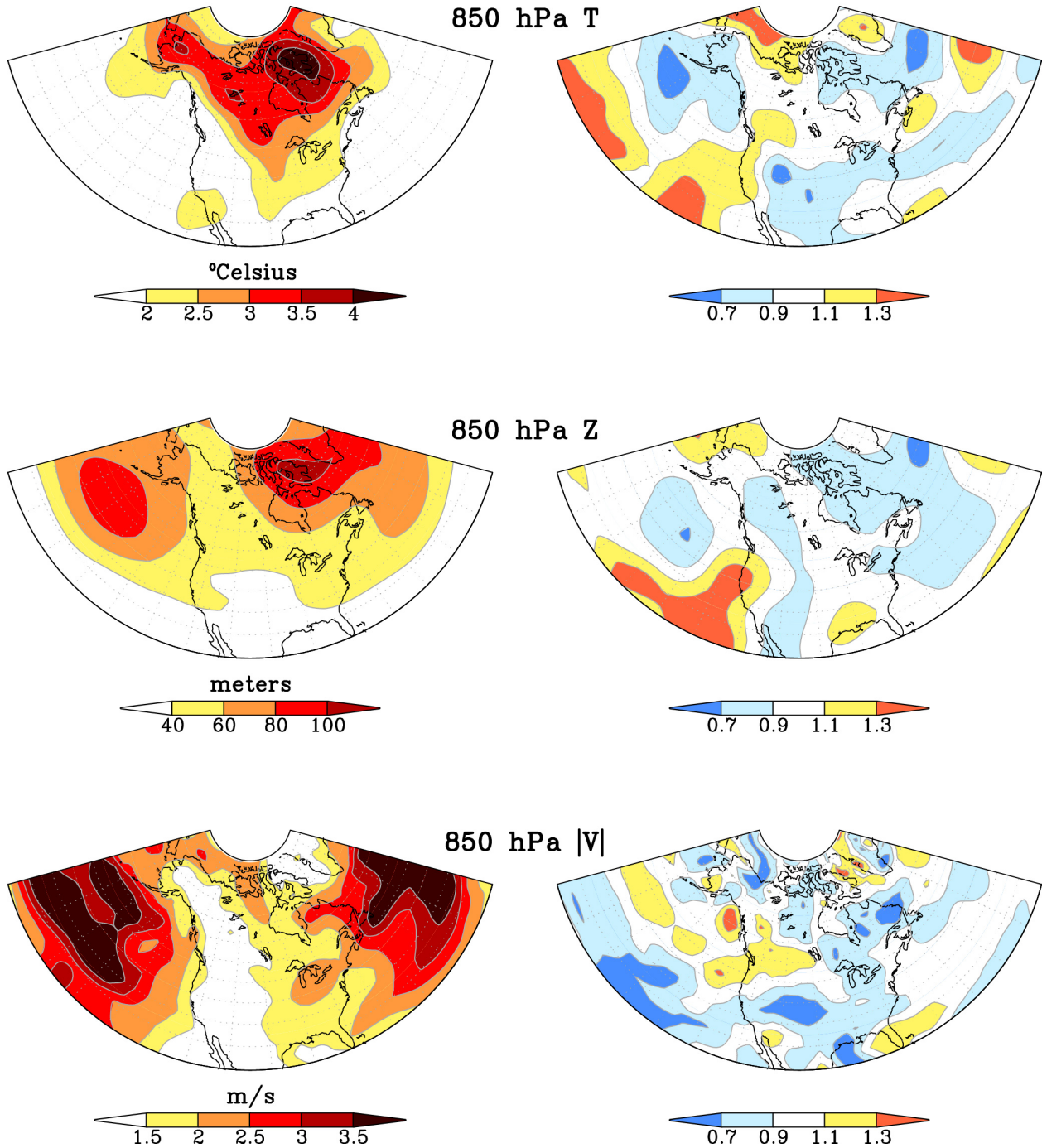


813
814
815
816
817
818
819
820
821
822
823
824
825

Figure S4. CMIP5 ensemble average of projected March 2012 temperatures anomalies (in °C relative to model 1981-2010 climatology).

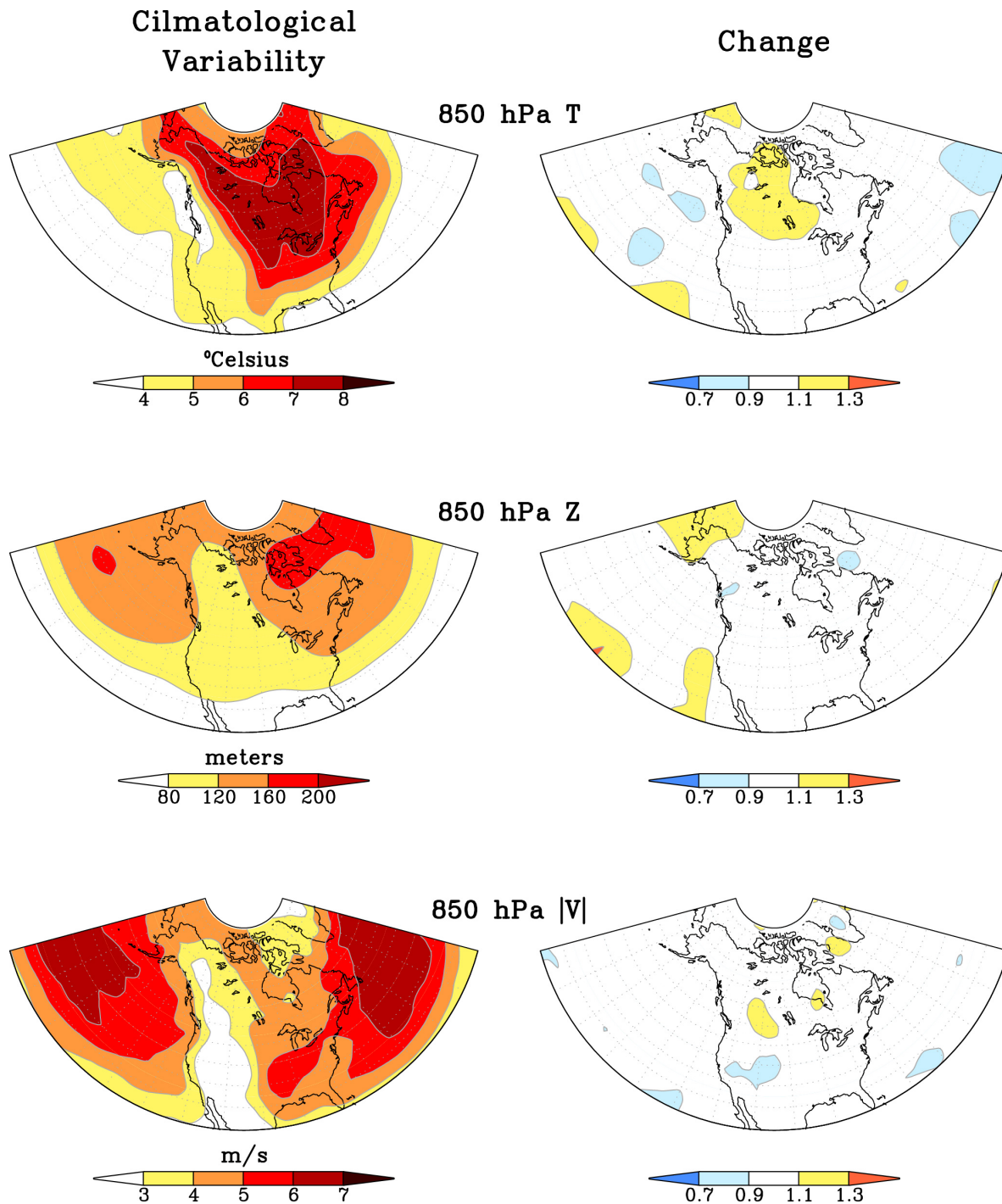
**Climatological
Variability**

Change



826
827
828
829
830
831
832

Figure S5. Standard deviation of monthly March 850 hPa temperature (top), 850 hPa geopotential height (middle) and 850 hPa meridional wind speed (bottom) over the base period 1961-1990 (left) and the ratio of standard deviations for 1991-2011 relative to 1961-1990 (right). [Data source: NCEP/NCAR reanalysis].



833
834
835
836
837
838
839
840

Figure S6. As in Supplementary Figure 5 but for standard deviations of daily temperatures in March (left) for 1961-90 and the ratio of standard deviations for 1991-2011 relative to 1961-90 (right). Contour intervals for the 1961-1990 base period (left panels) are doubled relative to monthly values in Figure S5.